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REMAR	KS
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alected sec. of place of Magazine region. In	
et in a second of the second	
	25
1	Logation :
	The wolls were several km south of Julichauri, (4420918/4200318), Georgian GoR, east of the Aragva, a tributary of the Kura River.
	lucialinthams:
\$7	From eight canals, each with ten sources and intersormected by a canal with an iron pipe line (25 cm in diameter), the water was di-
	There warough taree main pipes to a large settling plant. B x 8 x 6
	seters. From the settling plant the rater ran southward through a 150-neder uncovered pipe line, a 1-km tunnel, a 1.8-km uncovered
	pipe line and an 850-meter trainel.
	b. It was assumed that the entire page line vould not be completed before labe 1950. There was no evidence that the other end of the
	pice line, starting from Rustavi or Tiflis north, was simultaneously under construction.
3.	Horicolurae
UJ €	About 600 PWs.
÷.,	Perrate of construction:
	Date: supply for Tiflis and Austovi.
X1A	· macag:
	This re-out is the second on the water works in Balachauri, condir-
	The same and the same and the same are all the same and t
remonent i salangan as chari	CLASSIFICATION CONFIDELITIAL, 25

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	• 25X1A
ming and supplementing previous data *. The reports agree on the type of installation with uncovered canals an tunnels but differ in the number of wells, which was higher in the previous report.	<b>\$</b>
The dimensions of the main ripe line confirt previous assumations that the installtion will be of gr at importance for the industriants in the Tiflis area.	<b>1</b> 1
2 Annexes: 1.) ) Water Works in Dulachauri 2.)	

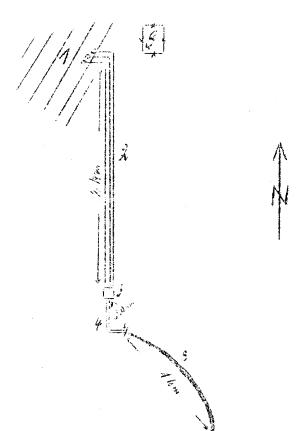
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CORVIA, TEXA

Annex 1

Water Works in Bulachauri

25X1A



### Legends

- Wells
- Wells
  Three main pipe lines,
  90 cm in diameter, 2 km long
  Settling plant, 8x8x6 meters,
  ferro concrete structure
  Uncovered pipe line,
  350 meters long
  Tunnel No. 1, 1 km long
  Uncovered pipe line,
  1.8 km long
  Tunnel No. 5, 850 meters long
  PW Camp No. 7181/4

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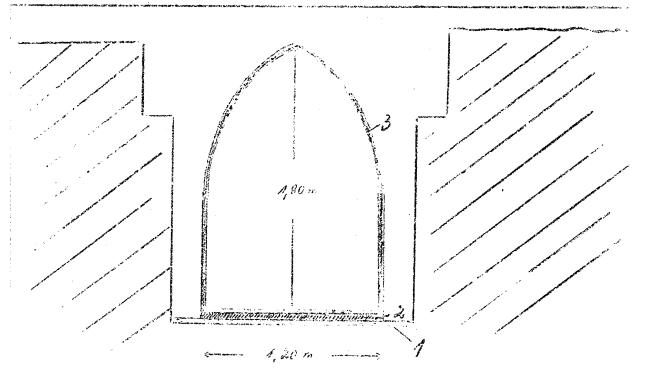
## Water Works in Bulachauri

Sketch A.

Sources

### Legend:

- 1 Eight canals each connecting 10 wells
  2 Three main pipelines, 90 cm in diameter, 2 km long, leading to settling plant



Stretch B.

Cross section of uncovered pipe line

### Legenda

- L Cement base, 15 cm thick
  2 Cement foundation, 25 cm high
  3 Concrete pipe with cone-shaped section,
  1.20 meters wide, 1.80 meters high,
  Approved For Release 2062/08/13 CEIA-RDP83-00415R010900070008-5

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3.

Cutput: 40,000 kw.

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2	Manager and a survey of the su
25X1A	Comment:
	a. The new power plant was repeatedly mentioned in reports on the tube rolling milk near Colldair. The above data on the location of this power plant is in agreement with the sketches attached to a previous report.
	b. The report, furnished the first detailed data on the size. two of structure, and capacity of the power plant. 25X1A

Taon, P4

25X1A 25X1A  EVALUATION 25X1A PLACE OBTAINED 25X1C  DATE OF CONTENT 25X1C  DATE OF CONTENT 25X1C  DATE OBTAINED DATE PREPARED 15 November 1949  REFERENCES 25X1C  PAGES 2 ENCLOSURES (No. a NYE)  REMARKS  25X1X  1. Location:  The power plant of SUMGAIT (49°37' E/40°35' N) is located about 1/2 niles north-northwest of the tube rolling mill, which is under construction, about 1.500 feet from the chore of the Capian Sea, and 18 miles northwest of BAKU.  2. Plant Installations:  The power plant has a 240x90x30-foot building, a stell and concrete structure with four 25-foot iron smokestacis, and a immediate the summer of 1946. The installation of the power plant strength operation in Gutober 1947. The power plant is empreed with four other three truthers and four generators. It was thorn when the	Approved For Release 2002/08/15 : CIA-RDP8: COUNTRY Soviet Union		ILLEGIB
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25X1X  1. Location:  The power plant of SUEGAIT (49°37' E/40°33' N) is located about 13 files north-northwest of the tube rolling mill, which is under construction, about 1.500 feet from the shore of the Caspian Sea, and 18 miles northwest of BAKU.  2. Plant Installations:  The power plant has a 240x90x30-foot building, a stell and concrete structure with four 25-foot iron smokestacks, and a kransformer station. The construction work was completed in the Summer of 1946. The installation of the power plant strind a shor time before. The first turbine was put in operation in Getober 1947. The power plant is equipped with four oil turbines and four generators. It wend thow when the other three turbines were placed in operation, since the plant after Cotober 1947. A generator plant area. It was out used after the first turbine was put in operation. The power plant is covers an area of about 450x300 feet and is surrounded by an afoot wall. Power transmission lines raciate from the plant in the following directions:  One line running northwest to the airfield (wooden masts)  Two lines to the tube rolling mill south of the power plant (trellis masts)  The more line running east beyond the town horses a continue.	REFERENCES 25X1C	PHI PALANY AT . SHIPMAKET FOR AN ANARAN NANAN NANA	
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3. Cutput: 40,000 kw.

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	b. The rep detailed da the power p	ort,	<u> </u>	of structure	furnished the	25X1A first v of 25X1A
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Harrist Co. History property and comments								
	1. Location: The nower plant of HUMANT (AS ON (AT TAX							
	Georgian SS3, is located in the content of the 1997 (45,01/41,34),							
	area under construction southeast of the town, south- west of the main railroad line to RAKU.							
	2. Plant Installations:							
	a. Construction of the power plant started in March 1946.							
	b. One turbine has been in operation sine 1 January 19							
	c. The number of boilers in use (at present two) is to be increased to six. The foundation of the third boile was being laid.							
	d. stated that three more turbines are to be added to the one in operation.							
	e. Ditches for steam and oil pipe lines were being dug in the road between the switching station and the turbine house. The purpose of this network of pipe lines, which was to have a pump station every 900 feet, was not clear.							
	f. A water reservoir was also under construction, to increase the water supply, which was inadequate for the industrial area.							
	$g_{\circ}$ The railroad connection to the power plant was being extended (see Annex).							
	3. Work force: 150 civilians and 200 PWs, in 1949 working in two shifts, 800 PWs employed in 1948.							
	4. Output: The one turbine in operation had a capacity of 15,000 kw.							

25X1X

Sagary,	25X1A
2	25X1A
25X1A	
Vomment:	
a. The power plant located in the area of the iron and seed plant of RUSTAVI, which is currently being ex-	
panded, has been frequently reported.	25X1X
b. This report is considered especially valuable because it comes from	]
and was in a position to furnish data on the recent condition of the plant. the intended installation of six boilers presumably corrects a previous report according to which the installation of six"turbines" allegedly was intended. It can be assumed that the power plant will eventually have four turbines and six boilers.	25X1X
c. The capacity of the turbine in operation was mentioned for the first time. It may be correct.	1
d. The coal hoisting device (items 8 through 10 on Annex was shown differently on a previous sketch, but the difference is of no real importance.	<u>)</u>
1 Annex: Power Plant in RUSTAVI, Georgian SSR.	

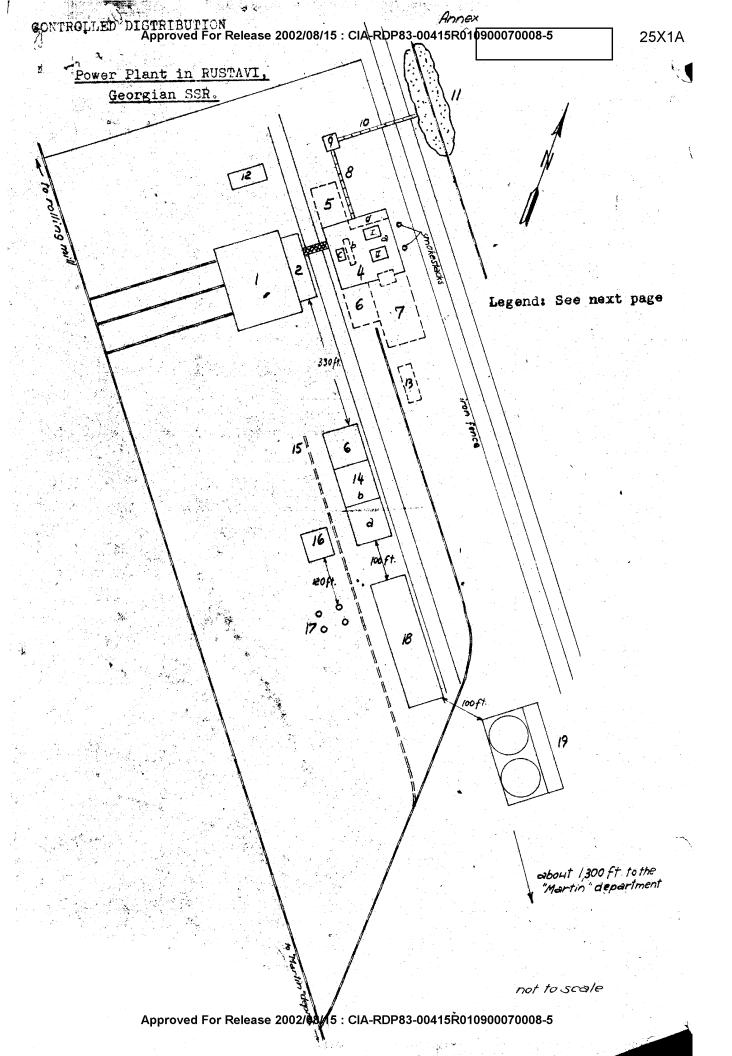
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Approved For Release 2002/08/15 : CIA-RDP83-00415R010900070008-5 Lagend to Annex

- A set of transformers. Four oil transformers have been set up, others are being installed
- Switching station, brick building, 150x140x30 feet
- 3 Catwalk between turbine house and switching station
- Turbine and boiler house, 150x120x60 feet, tuff structure
  - Two horizontal boilers, one for coal dust, the other for oil firing
  - b. Oil switch
  - 0. One turbine d. Four-story administration building (under sections a, b and c, on the ground floor of the building, there are four coal grinding mills, four water pumps for the boiler plant and two blowing engines for coal dust)

The building has two sheet metal funnels, 160 feet each Annex under construction, 90x60 feet

- Same as 5 Annex under construction, excavation and concreting work was under way. The Annex is to serve as an expansion of the boiler house.
- Coal conveyor belt Conveyor station Same as 8
- 10
- 11 Coal dump with railroad connection
- 12 Brick water cleaning plant, 90x30x30 feet
- Dug-in oil container, 45 feet long, 13 9 feet in diameter, with a temporary oil pipe line to the boiler house
- 14 Brick building, 240x90x15 feet a. Magazine b. Varnishing shop
  - c. Electro-repair shop Spur track under construction
- Transformer station, brick building, 60x45x15 feet, with a 36-foot tower in the middle
- 17 Four upright oil containers, each 10 feet high and 12 feet in diameter, filled to capacity
- Brick building, 300x90x15 feet. Building 18 materials magazine
- 19 Water reservoir under construction, 200x125x20 feet, two concrete water containers, 90 feet in diameter each



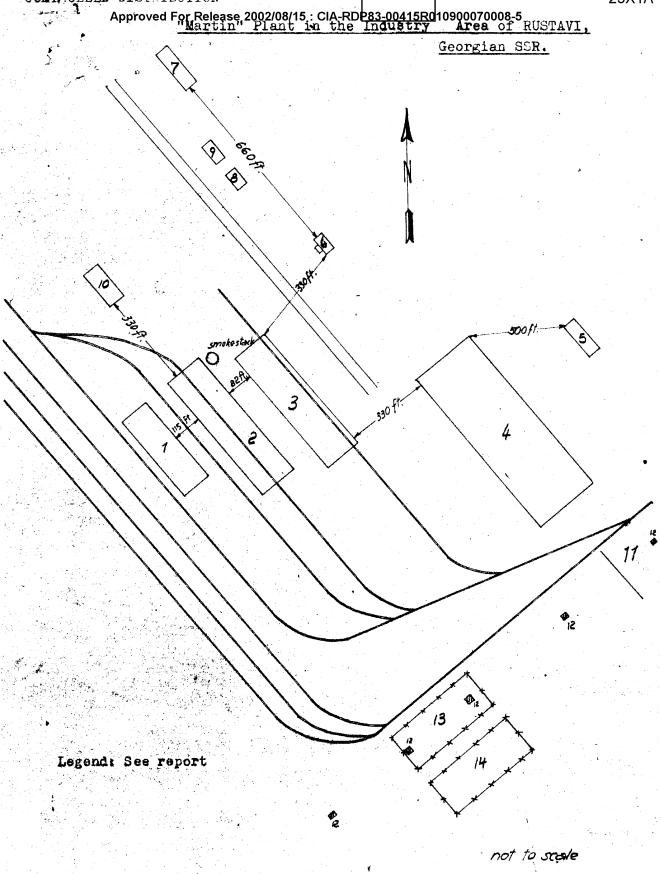
here, but not concreted

road spur track; a pit, 180x45x45 feet, was excavated

- Assembly shop for steel frames, 600x200x25 feet, also repair shop for prime movers

  Brick building, 90x60 feet, under construction
  Brick building, 45x45x30 feet, under construction
  Brick building, 150x60 feet, under construction
  and 9 Ritchen and messhalls, brick buildings, each
  60x20x15 feet
  Administration, framework completed, 120x60x25 feet
  Scrap dump
  Lasts for a high voltage power line, to soon be wired
  Fr Camp 7181/2
  HW Camp 7181/22.
- 1 Annex: "Martin" Plant in the Industry Area of PUSTAVI

SECRET-	



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Bee Illiter.

### L. Location:

The Khram-Ges Hydro Power Plant is east-southeast of MOLOTOVKA (44°07'E/41°33'N), Georgian SSR, west of the Kura River, on a canal which comes from this river. (For location see sketch No 1 on annex).

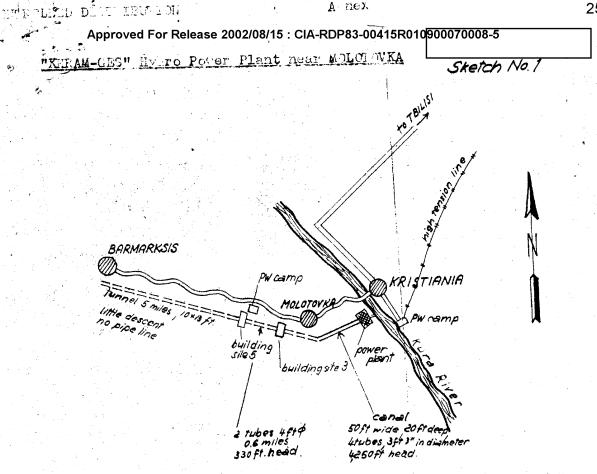
### 2. Plant installations:

power plant was started in 1945 and was almost completed by January 1949. The inside of the plant was still being plætered and the surrounding wall being constructed. Two turbines were already in operation. Two additional turbines were installed in May 1949.

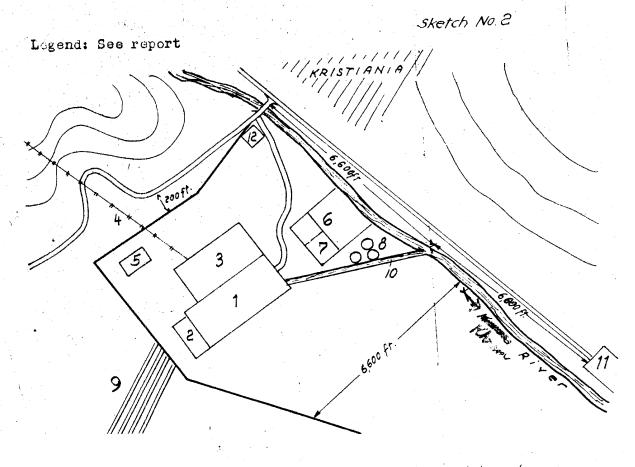
- b. The steel structure plant building has a flat sheet-metal roof and the floor is about six feet above the ground level. In the basement are four arched chambers, 12 x 12 feet, spaced at equal intervals. They are open to the long side of the building. These chambers house the bucket wheels of the vertically erected turbines. The Swedish generators are installed on the floor above these chambers. They are supported by concrete foundations, 6 feet high and 12 feet in diameter. Adjacent to the generator shop are the switching stations and stores for materials and spare parts. This part of the building has three stories.
- c. A power transmission line led from the nearby insulator station in a northwest direction. The line was supported by steel masts and had three cross arms with two wires each.
- d. The canal, about five miles long, with a low degree of gradiant, was leading through a tunnel, 12 feet high and 9 feet wide. From the end of the tunnel the water was carried to the power plant by pipe lines. The pipes lay in a 45-foot wide concrete canal. Each turbine was provided with a separated pipe line. (For plant layout see Annex of sketch No 2.

25X1X

		5X′
		5X
3.	Work Porce:	
	No details available on the total number of laborers; 40 Soviets and 20 PW worked in the	5X <sup>-</sup>
4.	Caracity: No details available.	٠, ١
ΙΑ	Gon: ient:	
	a. Information on the new hydro-electric power plant near	
	TOLOTOVIA was forwarded with previous reports. The location agrees with location data of other reports.	
	b. This report is of value because it contains the first detailed information on the power plant building. The number	
	of turbines and thus the number of water pipes, is at variance with two earlier reports which recorded only three turbines	
	and pipe lines. The turbine house appears large enough for four turbines. Since the earlier information dates back	5X
	it is possible that the fourth turbine and pine line were	
	installed laterfor clari- 28	5X
	1 Annex: AHRAN-SES Hydro Power Plant near HOLOTOVKA.	
	Legand to Annex:	
	l Power plant with renerator shop and switching startion, 300 x 200 x 45 feet.	
	? Arriex with well of a staircase, 180 x 90 feet	
	3 Insulator station, 240 x 150 feet	
	4 Power transmission line	
	5 Forms, 90 x 80 feet	
	6 săninistration	
	7 Oil dump	
	8 Three oil tanks	
	9 Four pipe lines for water intake	
	10 Delivery canal, 240 feet long	
	11. PW Camp, No 7441/8	
	M M TO THE TOTAL TOTAL TO THE T	
	12 Guard house.	



not to scale



not to scale

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CALLE	one wy TTHE.	f SUMGAIT (49037) part in the vicin ation see Annex 1	ity of sosmi	Azerbaijan S A north of	$\mathtt{SR}_{\mathfrak{g}}$
a co con cons cons cons cove	motification and struction, and tructed during lands existed stone at alag stone at	ns: The following work 2" plant present and tube rold a chemical plant g the tipe or observed in 1945. The bund brick lining, and concrete slabs, alt.	roducing buil lling plant, . Most buil ervation, whe uildings are Unsupported	ding materia still under dings were reas only th steel struct	ree ures
For a	plant-layout s detailed sketo	see Annex 2, sketo th of the foundry	h l. shop see Ann	ex 2, sketch	2.
the :	number was red	3,000 PAs first luced to 1,000. [ the number of ci			ut 25X1A
and :	rings, started	sale series produ i in 1947; steel was not scarted.	wheels, produ	ews, nuts, be aced since l	olts 949。
	Comment:	•		•	
devel agræ	lopment of the ement with pre ct and the att	nformation on the industrial area vious information ached sketch are	of SUMGAIT. , the data gi	In view of iven by this	their

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Compared with previous information, the N-S axis of the plants grouped around the tube rolling mill and of those situated north of that mill should be slightly turned in clockwise direction. The chemical plant (Annex 1, Item No.9) is presume bly somewhat farther to the north between SUAGAIT and SOSNIA.

b. Evidence is given in this report that the initial stage of constructing the combined Martin tube and rolling plant had not come to an end in April 1949. Valuable information on layout and production of these establishments can be furnished only by future reports.

1. Industrial Plants in SUMGAIT. 2 Annexes: 2.)

## Lagand to Annex 1:

- Cld village near a sand hill
- ilain send desert
- Combined martin tube and rolling plant, called "Osmu 1", under construction
- Factory, called "Osmu 2", producing building material for constructing establishment No. 3
- Settlement existing as early as 1945
- NewFonstructed settlement. The following parts were completed by April 1949: 9 apartment houses with 12 to 16 flats each, club building, motion ricture theater, kindergerten, school, and two administrative buildings
- PW Camp No. 7328/L, semi-underground cantonment buildings for 3,000 PWs.
- Power plant with oil heating system 8.
- Chemical plant 9 .

#### 25X1X

- area destined for the projected 10. JTOU
- Airfield 11.

14.

- Two small hangars and one headquarters building, a parking lot with as halt surface in front 12...
- Airfield barracks, about 12 to 15 houses, each 200 feet 13. long, where families also lived
- Gasoline station adjacent to the railroad station
- Three AAA emplacements with 5 or 6 guns each, emplaced 150 and ready for action
- Spur of mountains; 16.

The road network as envered on the sketch was completed in April 1949 except for the asphalt surface.

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	SECRET	25X1A
		25X1A
Logen (sket	oh to Annex 23	
A. Sub	e rolling mill and Martin plant	
]. 0	Main warehouse, solid two-story building	
2.	Foundry 420x 150 feet, first test cesting in April 1949 For details see sketch 2.	
3.	Two small shops, completed but not furnished on equipped	
40	Wood pattern shop, 240 x 90 feet, in operation since 1948	
5.	Resoline station	
6.	Small administration building	
7.	Mechanical workshop, 300 x 90 feet, in operation since 1947	
8.	Forge, 240 x 90 feet, in operation since early in 1948	
9.	Projected tube rolling mill; excavation of the foundation trenches was started in April 1949; in the area provided for the rolling mill large quantities of machinery are stored which was the complete outfit of a dismantled German tube rolling mill. Projected length of the shop, 2,400 feet.	25X1X
10,	Martin plant under construction, noticeably large steel frames	
11.	brojected railroad spur track with loading platform	
B. "08	mu 2", factory producing building material	
1	antorcar repair shop	
2.	Slagstone factory	
3.	Small garage	
4.0	Small lime burning plant	
	Small storage shed	
6.	Concrete factory with 20 heavy mixers; gravel pile with railroad spur track in front of it	
	Prefabrication of steel structures	
8 -	Storage shed for building-carpentar tools and painter's shop	
9.	Building = carpently	
10	Sawmill with four frame saws	
	ewe par	25X1A

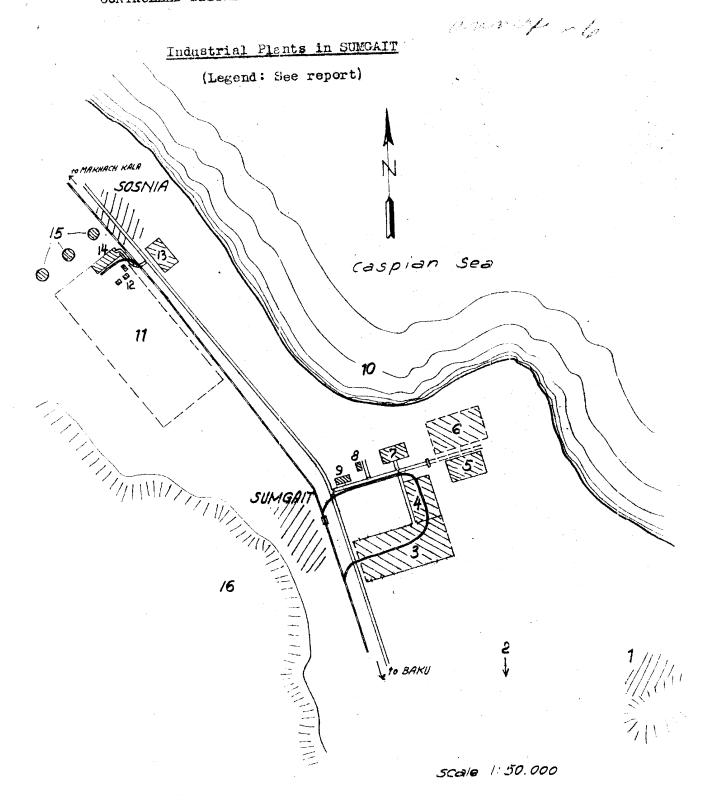
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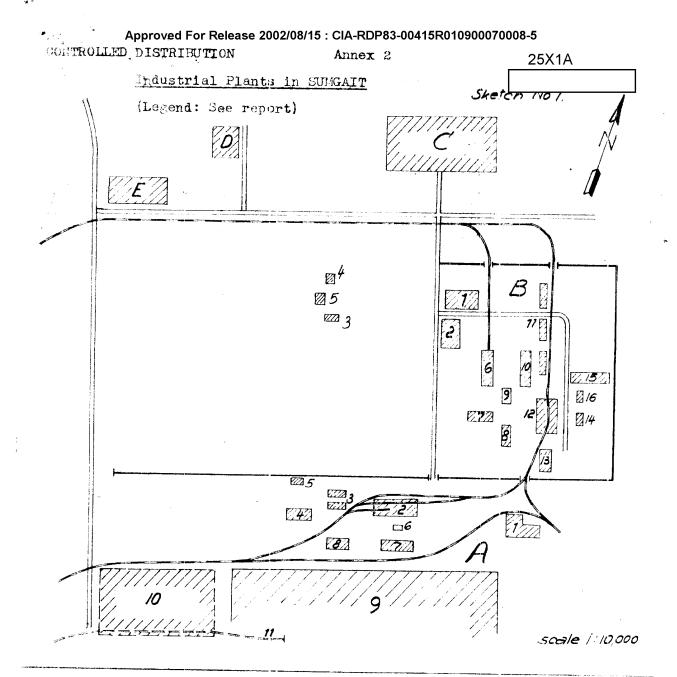
- 11. Three storage sheds for building materials
- 12. New shop for steel structure assembly, put into operation in 1948
- 13. Brick yard
- 14. Workshop for construction of water pipes and steam heating systems
- 15. New automobile garage for 45 trucks, completed in 1949
- 16. Workshop for electrical equipment
- C FT Camp No. 7328/1
- D Power plant with oil fusling
- E Chemical plant

# Legand to Annex 2 (sketch 2)

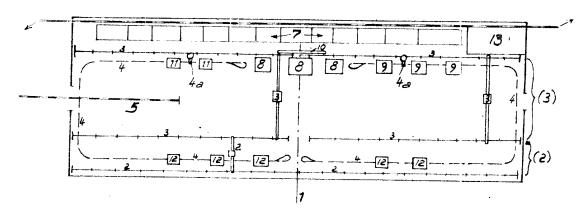
- 1. Shop center with divide of large cranewar and conveyer belt system
- 2. Smell continuous craneway
- 3. Two large craneways ending at the shop penter
- 4. Two conveyer belt systems ending at the shop
- Ha. Generators driving conveyer belts
- 5. Spur track for dispatch purposes
- 6. Access railroad track
- 7. Line of bunkers for storing supplied materials, connected by feeding belts with the two conveyer systems.
- 8. Large 10-ton furnace with steel frome, 45 feet high, and another two smaller 7.7-ton furnaces (according to the Soviet foreman)
- 9. Three low furnaces, 15 x 15 feet
- 10. Switch central
- 11. Presumably two furnaces
- 12. Five undesignated installations, presumably furnaces
- 13. Fitter's shop

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Sketch No.2



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	CHARGOURE AND A THEN I THEORET'S	t. 1 gerial photograph
REMARKS		
25X1X		
1.	:Loc ation	
	The india rubber plant of YEREVAN (440 SSR, is at the southern town border, eline leading to the southwest.	50°E/40°10°N), Armenian Est of a railroad trunk
2.	Plant Installations	
	The plant covers about 1.3 x 0.9 miles the so-called Caoutchouc Zavod and a meanstruction southwest of it.	ew installation under
·	a. From the condition of the plant bu that the plant was constructed during to the plant it was in full operation.	25X1A 1.1dings 25X1A 1.1dings 25X1
p	b. The two plant sections are connect new southwestern section, surrounded by india rubber plant. The bare structur were completed by February 1947. Howe regressing very slowly since very litt was used. The construction site inclu of dismantled German machinery, still not observe a plant-owned pline suspended from steel masts led to and plant installation see Annex 1.	y a wall, is also an es of most buildings ver, the final work was le construction machinery ded a large storage dump partially packed in boxes. ower station. A high tension

## 3. Work Force

No details were available on the number of Scviet laborers. Work was done in three shifts. In the new section under construction 250 PWs and a small detail of Soviets worked in one shift.

### Production

Rubber, packed in linen sacks and shipped to an  ${\tt inknown}$  destination.

1 / Annex I

25X1A

### Legend to Annex 1

- A India Rubber Plant
- 1 Administration, four or five-story stone structure, 600x45 feet
- 2 Spare parts store, one-story building, 300 x 60 feet
- 3 Storage of construction materials, 240 x 60 feet
- 4 Carbide griding plant with traveling cranes and mills
- Four electric carbide evens, three of which are in operation as the same time. The upper floor was equipped with tracks on which electrically operated lorries were run to charge the ovens
- 6 Three large lime kilns in a one-story stone structure, 450 x 60 feet
- 7 Two loading ramps for coal and coke, protected by a roof, 200 x 45 feet
- 8 Inclined skip hoist
- Boiler house, stone structure, 90 x 60 feet, approximately four stories, with several brick funnels. The boiler house is equipped with one oil-fueled boiler and two boilers with traveling grates. They were automatically fueled from overhead bunkers, whereto the materials are shipped by the shiphoist
- 10 | and | Warehouses, stone structures, 300x60 feet, one-story buildings | 11 |
- B Newly constructed section:
- Pape line, consisting of fitted iron pipes, 1 foot in diameter, 6 feet underground
- 2 Excavation, 450 x 60 x 20 feet
- Exercation like No 2 above, with riveted horizontal steam boiler, 100 feet long, 25 feet in diameter, resting on light stone foundation
- 4 FM Camp No 7115/9

did not enter on sketch several additional large buildings and workshops. There was also a large storage dump of dismantled German machinery. \_\_\_\_\_\_\_\_one of the 25X1A workshops was equipped with 15 hydraulic four-cylinder presses, each about 10 feet high.

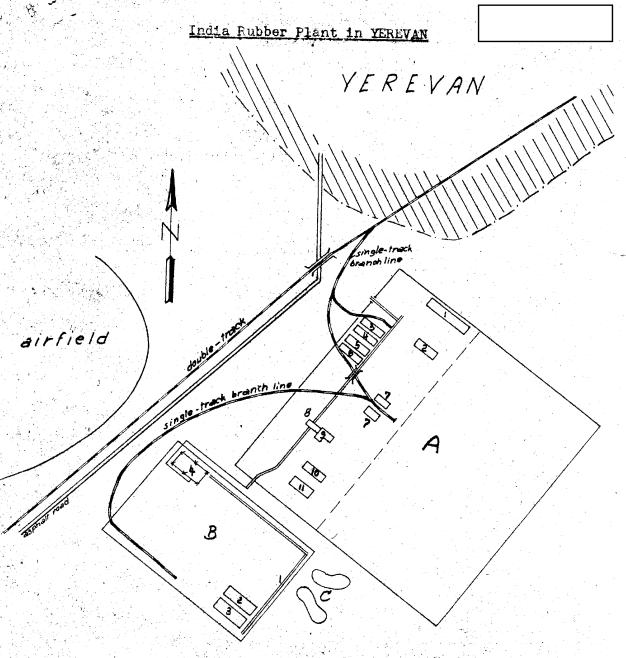
C Two pools with carbide waste, about 1,200 feet long.

	· · · · · ·
١	Compant:
	a. The india rubber plant of YEREVAN existed before the war. A prewar aerial photograph is forwarded as Annex 2.
	the newly constructed section (item B on Annex 1). From a comparison with the aerial photograph it is concluded that the clder plant section (item A) is also incomplete on Annex 1)

India Rubber Plant in YEREVAN Acrial Photograph of the India Rubber Plant in YEREVA.

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Annex4



Legend: See report

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layout of the year 1942 can be assumed for the present time. An aerial photograph interpretation

is forwarded with Annex 2. Future information on any buildings constructed after this date will be of special interest.

2 An lexes: 1.) Carbide and India Rubber Float in Yerevan.

### Logend to Annex 1:

- India Rubber Hant
  - 1 Administration,  $36 \times 13^{1}_{2}$  meters
  - 2 Lispensery, 36 x 131 meters
  - 3 merchouse, 90 x 27 meters.
  - 4 Gooling plant, two buildings 72 x 18 meters with many pipelines. Measuring clocks indicated a temperature of 20° to 30° C. Uninsulated tubes were covered with a layer of ice even in summer. The concrete seemed to be corroded by acids and constantly needed repair.
- 5 Carbide manufacture, 108 x 18 meters, equipped with six electrical carbide furnaces and six lime kilns beside the workshop; only three of each were in operation at the same time.
- 6 Doilerhouse, 90 x 45 meters, five stories, coal fueled, one smokestack
- 7 Two production shops for india rubber, 90 x 27 and 90 x 18 meters, off limits to FWs
- 8 Both buildings about 90 x 18 meters, similar to No 4 above. The pipelines of objects No 4 and No 8 lead into the production shops for india rubber.
- 9 Salt department, 90 x 18 meters, presumably chlorinealkali-electrolysis, equipped with tanks of 27 meters diameter, many pumps, sipes and boilers.
- 70 Oas plant, 72 x 36 meters, production of carbide-gasecetylene

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- B Cable plant, plant area about 270 x 165 meters. Four workshops, each about 54 x 18 meters, equipped with dismantled German machinery from a firm in Berling leissensee. Several 100 large cable rolls from Siemens and AEG berlin, were stored in the court yard. The plant was constructed soon after the war. Production of low volatge cables and telephone wires.
- C Mire factory, area about 180 x 135 meters, with one three story building, about 90 meters square. Constructed in 1946 and 1947. Iroduction of tires for motorcycles, sutomobiles and trucks.
- D Plastic plant, area about 450 x 270 maters. Installations and the reilroad connection under construction, administration, 54 x 18 meters, four workshops varying letween 72 x 36 meters and 54 x 18 meters. Foundations for three more workshops under construction; excavations 22½ x 22½ x 9 meters were dug, presumably for fuel tanks. Many machines, 15 to 20 boilers and long pipes were stored in the plant area. Thent was designated by Soviets as a bakelite plant.

## Legend to Annex 2:

- A India Rubber Flant
  - l Coal dump
  - Lime stone dump
  - Lime kiln
  - L Lime mills
  - 5 Lanufacture of electrodes
  - Barrel factory and store
  - archouse
  - & Workshop for plant requirements
  - Filling station for accumulators
  - 10 Transformers and power plant
  - 11 Carbide processing plant
  - 15 Carbide furnace

SECRAT. 16 India Rubber store 17 Clothing shop 18 Administration 19 Dispensary 20 Plant laboratory 21. Dispatch station for india rubber 22 Storage for construction materials 23 Wood processing plant 24 Boilerhouse 25 Coal-dressing plant 26 Manufacture of paints and varnishes 27 Fresumably containers for suphuric acids 28 Manufacture of sulphuric acids Chlorine-alkali-electrolysis 30 Chloropren department (chloropren material similar to india rubber, a buthadin-chloride derivative) 31 Polymerization department

- 32 Manufacture of raw india rubber
- 33 Final processing of india rubber
- Testing of india rubber
- 35 Trasumably cooling plant
- 36 Oxygen production
- 37 Stores with india rubber
- Acetylene cleaning plant 38
- 39 Acetylene production
- 40 Tenks for acetylene gas

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45 Fuel dump, possibly also crude out dump

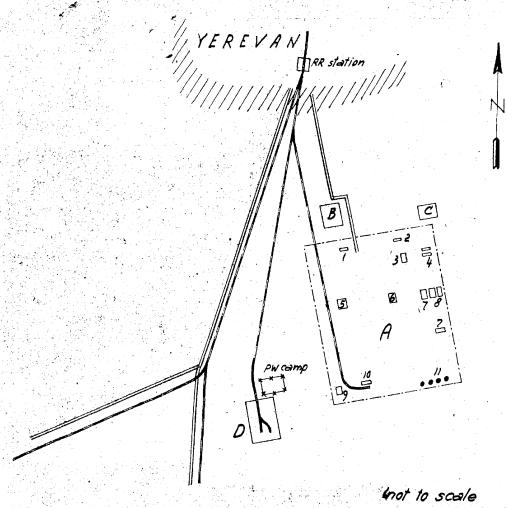
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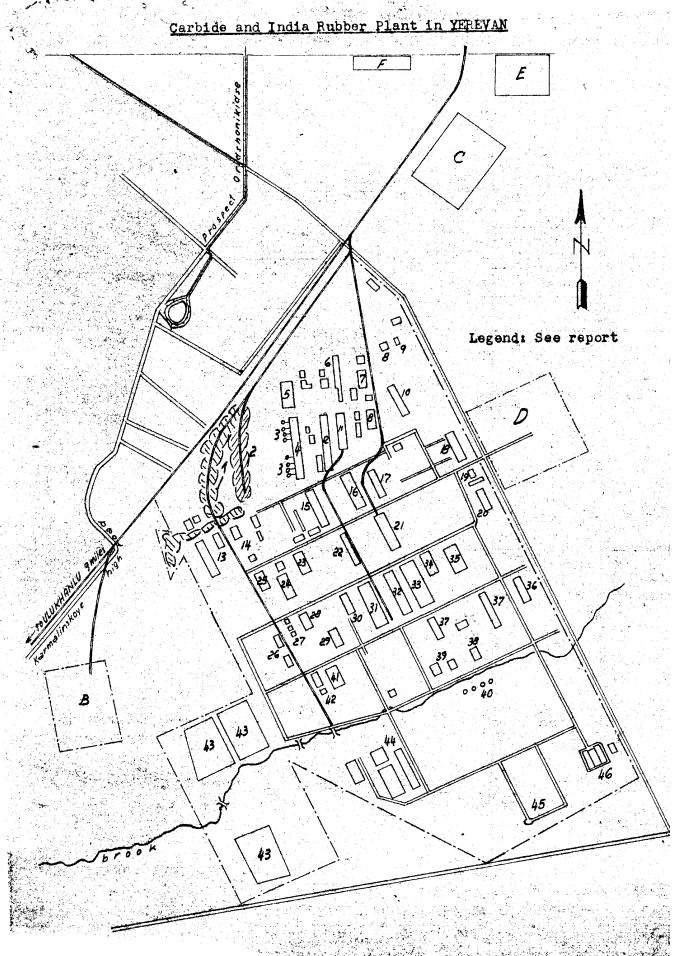
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6 Nitrogen installation	

- 40 MICLOSER THE CELTS 070
- B Flastic factory
- C Cable Plant
- D Tire factory
- E Furniture combine
- F Military motor vehicle park.

## Carbide and India Rubber Plant in YEREVAN



Legend: See report



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:	2.,	Plant Layout	450	on a gummound a	a by a
		The plant area is al sandstone wall.			
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		For sketch of the T	lant see Annex.		
	3.	work Force:			
		About 600 Soviets athe Spring of 1948 Summer of 1948, burnlant.	and 600 PWs engaged. The number thex. t 250 Soviet convi	d in building the PWs was reduced to cts were detailed	plant in 120 by th to the
į	4.	Production			
		Production had not information on the	yet started. type of productio	on ₀ 25>	 <1A

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25X1A	Comment:	
25X1A	a. A report on the Kirovakan chemical plant was previously furnished That report dealt primarily with the western "R.Z" (Remonte Lechanical Zavod) part, which is under construction.*	
25X1X	b. The annex agrees with previous report as to location of the two main departments (Plants 202 and 305). There are other differences probably because of the fact that	25X1X
25X1A	e. From comparison of the two available reports with an aerial photograph taken before the war (see Annex 2 of previou report*), it is seen that both reports are very incomplete.  a considerable part of the plant was still under construction in September	s
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#### Legeni to annex

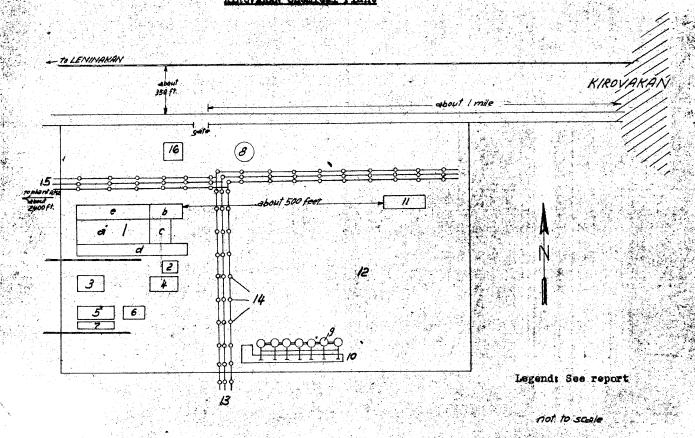
- Plant 202, secured by strict guards and off limits to P. s, with:
- a a. Chemical department which was being equipped and furnished during the time of observation
  - b. Laboratory
  - c. Boilerhouse with five boilers, 6 meters high and 3 meters in diameter, two boilers, 3.6 meters high and 4.2 meters in diameter, one boiler, 1.8 meters high and 90 cm in diameter, one boiler, 2.7 meters high and 1.8 meters in diameter, one boiler, 3.6 meters high and 2.7 meters in diameter, one boiler, 4.5 meters high and 3 meters in diameter. All the boilers are connected with each other by pipes. The whole building is 180 x 72 x 18 meters.
  - d Unknown
  - e Unknown
- Presumably power plant, 18 x 10½ x 9 meters, concreted down to a depth of 4½ meters, containing several cast concrete compartments. All electric wires are joined there.
- 3 Flant 305, 45 x 22½ x 10.8 meters. Off limits, more detailed information not available
- 4 Kitchen and ration soorage, 45 x 22 x 9 meters. Administration on the fourth floor
- 5 Workshop under construction; its foundation walls, 54 x 18 meters, were completed
- 6 Building, 27 x 18 meters, under construction
- 7 Fitting shop for construction of the plant, 54 x 132 x 9 meters.
- 8 Iron structure, 45 meters high and about 27 meters in diameter, diminishing above and containing a pipe system. Information on purpose not available
- Seven steel containers, 18 meters high, 3.6 meters in dialeter, connected with each other by a gangway and each with building to 10 by a separate conduit. The containers rest on concrete bases, 3 meters high, and are fitted inside with small clay pipes
- 10 Euilding, 72 x 9 x 5.4 meters; information on purpose not available. The fitting shop for electrical installations was stationed there temporarily, during the time of observation. Copper plates, 3.6 to 42 meters long and 20 cm wide, were worked there. They were installed in Plant 202.
- 11 Water pumping station, under construction; 27 x 13 meters
- 12 Terrain not built up, provided for further buildings; surveying was partially completed and excavating had started

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- 1.3 Three pipe lines, two  $12\frac{1}{2}$  cm, and one  $16\frac{1}{2}$  cm thick, which presumably lead to the carbide factory, which was under construction south of the plant at the time of observation
- 14 Steel girder serving as base for the pipe lines
- 15 branch of the pipe lines, leading to the MAZ sister plant
- 1.6 Luilding for workshops, 72 x 36 x 45 meters, connected with Item 1 by a crane trolley. The interior equipment for plant 202 was manufactured there at the time of observation

The track system of the plant was further extended. The access road is bituminized and in good condition.

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Comment:

a. The most essential parts of the chemical combine, especially departments No 202, 305 and "RIZ" were mentioned by two
previous reports and are confirmed. Since this report does not
contain any details on the plant buildings as to size and type
of construction, the data of a previous report are still unconfirmed.\*

b. All information obtained on the combine agrees on the approximate plant layout. Even though only the main buildings are carried in the various reports, there is still a considerable difference between the newly obtained picture and the plant status known from a prevare that photograph.\*\*

additional information is required to clarify the actual plant layout including new buildings, constructed during the last years.

1 junex:

Chemical Plant in Lirovakan

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# Legend to annex

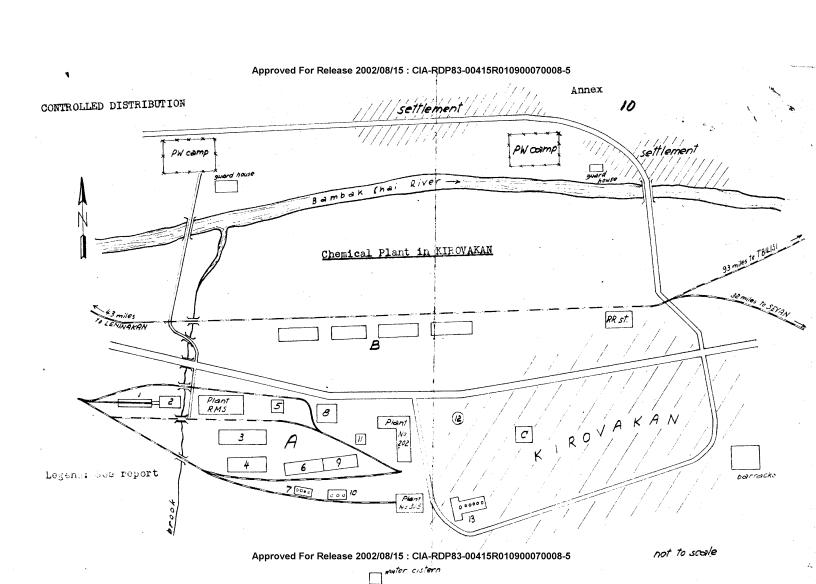
- A Combined chemical plants
  - 1 Coal bunker
  - 2 Boilerhouse
  - 3 Armored Workshops
  - 4 Storage projected for powder receptacles
  - 5 Water sterilizing plant
  - 6 Old chemical plant
  - 7 Lime plant
  - 8 Transformer plant
  - 9 Old chemical plant
  - lo carbide plant
  - 11 Automobile repair shop
  - 12 Vater tower
  - 13 Factory for unknown purpose

"ALC" plant, 58x30 meters, to be main plant of the chemical combine;

Plant No 202, four-story building, one of the main installations;

Plant No 305, three-story building, one of the main installations

- B Four food magazines, 5 stories
- c Training tower for paratroopers



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REMARKS	5
A SUM CAMPAGNA	Parties and the same
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l. Locations	
I new large manganese buddling plant is under construction about 4 km ENE of Chiatura (43017'E/42017'N), Georgian SSR.	
2. Plant layout:	
Construction work started in 1943 and three large stages were blown in a former hill-side on which the buildings are erected. The brickwork of the buddling shop had been completed but only the foundation pillars of the neighboring building had been erected. All the machinery of the cable ropeway by which the raw material is supplied came from the Bleichert company of Leipzig and was supplied as reparation.	
For plant and location sketches and side views see Annexes 1 and	. <b>2</b> .
In the side views the buildings are displayed as projected in the construction plans.	
25X1A Comment:	
25X1X	
b. Information on construction projects in the Chiaturi mangane	

b. Information on construction projects in the Chiaturi manganese ore area and the technical organization of the ferro-manganese buddling plants is furnished for the first time by this report. Fresumably the numerous other plants of this line are laid out according to the same scheme.

COLFICH!TI AL	25X1A
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This mangenese ore deposit on both sides of the Kvirila River is one of the most extensive deposits of this type in all the world. An aerial photograph of this area, taken before the war and supplemented by a legend, is attached as Annex 4. The Chiaturi combine belongs to the "Chiachird" ore trust.  Do Thotostats of a Soviet reparation order addressed to the Fleichert Transportanlagen company in Leipzig N 22, 34 Viktor-Adler-Strasse, were received from the copy of the Adler-Strasse of the Photostat Is enclosed (Ahnex 5 and 6).  These photostats are a valuable confirmation of the above report and	25X1X
Annexes: 1. ) 2. ) Manganese Buadling Thant in Chiatura. 3.	
$egin{array}{llllllllllllllllllllllllllllllllllll$	

# Legend to Annex 1:

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- A Manganese buddling plant
  - 1 Frojected terminal of the cable railway with a through e projected cable railways to be equipped with conveyor cages, leading across the Kvirila valley to the building yards.
  - 2 Manganese buddling plant under construction (for details see Annex 2).
  - 3 Two water busins, each about 30 meters in diameter
  - 4 Sawmill
  - 5 "archouse
  - 6 Administration building, completed
  - 7 Assembly shop and repair shop for the construction of the plant
- B Area with military post buildings
- G Tarehouse for cigilians
- D For se
- E TW Camp No 7518/4
- F Friage with two concrete pillars over the Kvirila River.

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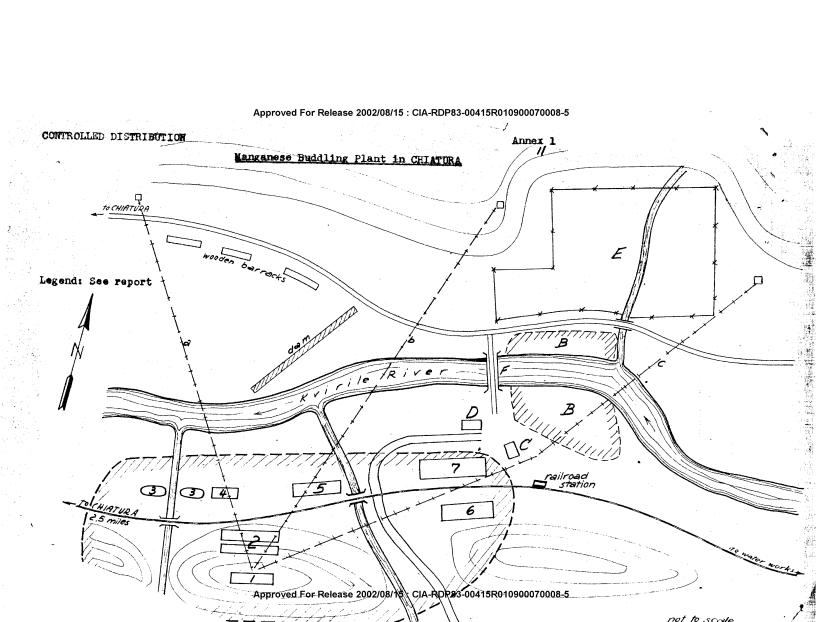
#### Legend to Annex 2:

- 1 Contour of the hill with stages blown out
- 2 Terminal of the cable railway
- 3 New so-called "hill road", 5 meters wide, already usable
- h Manganese buddling shop, brickwork completed
  whether the cages are to
  be unloaded there or near the terminal of the cable
  railway).
- 5 Second building of the building shop. Only the pillars were erected.
- 6 Projected railroad spur track for ship ing the buddled manganese ore. Presumably, the manganese ore is to be dumped from Building No 5 directly into the railroad cars
- 7 Chiatura railroad line
- 8 Kvirile River.

# Legand to Annex 3:

- 1 Foundation walls and excavations for the new manganese buddling plant
- 2 Torkers' settlement
- 3 Two rivulet beds to be bridged over about 90 meters
- 4 Projected course of the manganese ore railroad
- 5 Lime plant
- 6 New administration building under construction
- 7 Compressor station
- 8 Garage
- 9 Fitter's shop
- 10 Ration storage
- 11 MW Camp ho 181/1
- lla Three buildings with guards and officers billets
- 12 manganese ore mine
- 13 Loading point for manganese ore
- 14 Coble railway on wooden masts for transportation of manganese ore
- 15 Newpaterworks under construction with
  - d. Furning station
  - b. Four water basins
  - c. Fipsline being imbedded.

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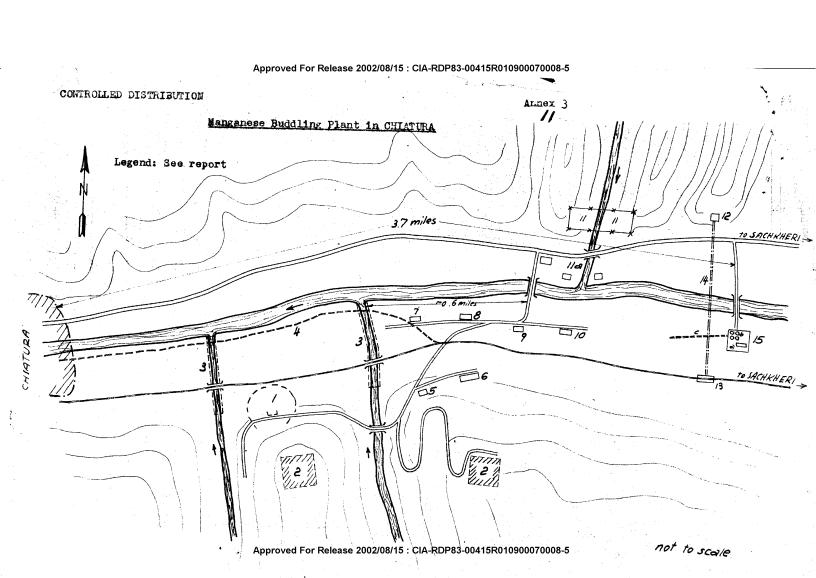
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Annex 2

Wanganege Buddling Flant in CHIATURA

Legends See report



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1.	Location E		
	The chemical Kirovakan (44°28'E/40°49' is west of the town, south of the Banninakan railroad line.	9°N) combine, Armeni mbak-Chai River and	an SSR, the Le-
2.	Plant layout :		
	The plant consists of the so-called of and 202.	old factory, and the	objects
	a. The brickwork of object 305 was contact not yet been installed.	ompleted in June 194	3. The machin
	b. A three-story building was erected offices will presumably be installed	l on both sides of t	he shop. The

c. Object 202 is surrounded by a special wall. It consists of a large three-story building, in the vicinity of which a tower was constructed the lig-meter concrete walls of this alleged water tower, 23 meters in diameter, had been raised up to half-story level by July 1948. Six horizontal large-size tanks were installed underground around the object. Outside the object, another tower, presumably a water tower, was erected. A railroad spur track is available.

3.	Work force:	
	any information.	

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#### 4. Production:

Production is limited to the so-called old factory where the workers use protective breathing devices. Their hands and the unprotected parts of their faces look black. Type of production unknown.

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	Connent	:
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- a. The information obtained from the reports presented so far is very incomplete. This report is nething but a contribution to a later evaluation of all the available information on the Kirovahan chemical combine. The confirmation of the Flant Departments 305 and 202, which apparently are the principal parts of the factory, is considered to be essential.
- b. It is evident from all reports obtained so far that only parts of the combine are in operation. Hence essential parts of the plant were surely constructed as late as after the end of the war and the German aerial photograph takes in 1942 no longer correctly presents the plant.
- c. Experts may draw conclusions from the observations of production.
- d. Reports based on latest observations which might furnish information on the completed combine, are lacking and a clear picture of the plant could not be obtained.
- 1 Arner: Chemical Combine in Kirovakan,

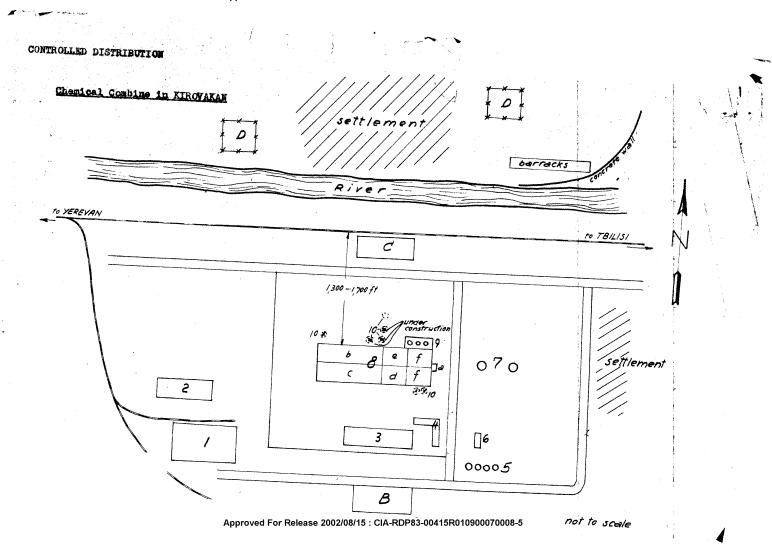
# Legend to Annex

- 1 Carbide factory, so-called old factory
- 2 Fower plant
- 3 Object 305, 64 x 27 neters, very thick walls, brickwork completed. In the shop are concrete bases, about 2 neters high, supporting thick steel girders which presumably will serve a traveling crane. Fipes, about 25 cm thick and & meter in diameter, were fixed to the walls. A four-story building containing administration offices was erected on both sides of the shop.
- 4 Cooling plant
- 5 Four tanks, 9 to 12 meters high
- 6 B unliding with unknown designation
- 7 Two water towers, under construction
- 3 Object 202, 90 x 55 meters with
  - a Entrance

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- b Transformer room. The room is centrally crossed by a concrete shaft, 2.7 meters wide and 3% meters deep, to the walls of which pipes of different thickness are fixed. Twenty transformers supported by bases, 9 x 2.7 meters, project the shaft.
- c Foom to the walls of which pipes of varying thickness are fixed. The ceiling is covered with copper plates, .03 x .03 meters, and many insulators.
- d Room with three iron tanks, 1.3 meters in diameter, which reach the roof.
- e Boom with tanks welded of iron plates, 7.3 meters high and 2.7 neters in diameter.
- f Two office rooms. Above the c-room is another room containing trunks which resemble a German telephonic relay, The trunks are 1.2 to 12 meters high and 21 meters wide and installed in a long row. They are equipped with knobs, cords and drops like telephone switchboards. An electric crane travels through the room.
- 9 Three tanks under construction, attached to object 202.
- 10 Six underground tanks surrounding Object 202. The surface of each tank has an opening large enough for a man.
- B Gasoline dump
- C Flour storage
- D PW Camp 7515/10.

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the power plant and

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	the road bridge were initiated in October 1943.	
3.	Work force :	
	Twelve to fifteen hundred German PWs and 500 to 600 Soviet c victs working on the construction of the power plant.	on-
4.	Capacity:	. ·
	No details available.	

# Field Comment :

a. The report is valuable confirmation and supplement to other information . The attached sketch gives a graphic picture of the location of the power plant.

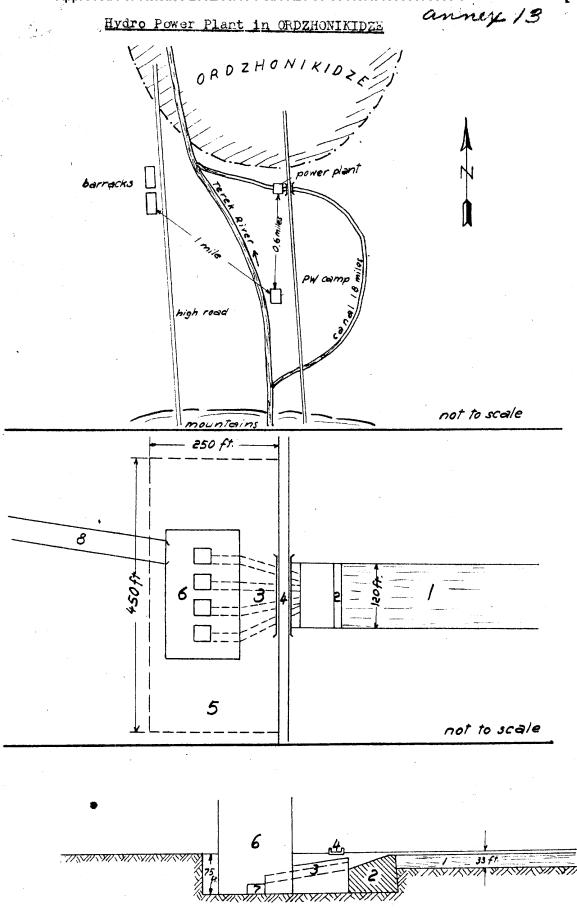
b. The data on the type of construction of the turbine house fully agree with previous information. More credence can be given to the above reported dimensions of the turbine building than to those previously recorded, which obviously were too small.

25X1X		

1 Annex : Hydro Power Plant in Ordzhonikidze.

#### Legend to Annex

- 1 Canal
- 2 Dam, 2.4 meters wide at the top
- 3 Four chute pipes, 42 meters in diameter, 23 meters inclined length
- 4 Concrete road bridge, 35 meters long, 55 meters wide
- 5 Concrete power plant area
- 6 Turbine house, 73 x 35 x 55 meters, five story building with flat concrete roof
- 7 Four turbine foundations, each 10 x 10 x 52 meters
- 3 Outlet to the Terek River.



Legend: See report

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# 1. Location

The Dviri (43°16'E/41°46'N hydro power plant, Georgian SSR, is about 3 km down-stream from the town of Dviri, north of the Eura River.

# 2. Plan: Layout

- a. Construction work was started early in 1946.
- b. The reservoir had a concrete barrage wall, 135 meters long, 15 meters high and 3.6 meters wide, its surface projecting 7.5 meters above water level. The lock had six pillars. Two lock gates were closed in August 1949 and the other gates were still under construction.
- c. Starting from the reservoir, the water canal crosses the highway by a tunnel and passes through open country for about 1.4 km and through another tunnel for about 6 km. The canal is 10.8 meters wide at the surface and 3.6 meters at the bottom. It is blasted in rocks and concreted.
- d. The 6 km tunnel was under construction from 1 May 1946 to May 1948. It was concreted for 2.8 km from the south on 1 August 1949. It is 3.6 meters wide and 3.15 meters high. Further concreting was delayed because the other half of the projected tunnel crossed very soft rock. A pipe line about 1 km long, leads from the tunnel exit to a reservoir, from whence three parallel steel tubes, 10.8 meters long and 2.7 meters in diameter, lead to the turbine house. Another basin was laid out ME of the tunnel exit to supply water during repairs. This basin was about 30 x 70 meters. A pipe line to the tunnel exit and the three fall tubes were under construction. The depth of water was

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	Z		

- e. The turbine house was under construction at the end of the period covered by report. An area 225 x 45 meters was staked out, and the bases were cast on 24 August 1949. Three 11-n.ton turbines were stored in the building yard. The flywheels were about 3 meters in diameter. Four Canadian 50-n.ton transformers, 9 x 3 meters, were also delivered in flatcars. Switch cases, tubes and coolers were Swedish.
- f. A 120-m.ton, three-lane concrete bridge crosses the canal SW of Dviri.
- g. On the highway running north of the Kura kiver, a steel structure bridge crosses the river near Dviri.
- h. For location sketch, see Annex 1.
- i. For bridge sketches, see annex 2.
- 3. Work Force

2,000 sivilians and 1,400 PWs, working in three shifts,

4. Capacity:

Not known.

#### 25X1A

Comment:

a. This report furnishes a good survey of the state of the construction work at the new Dviri power plant, which has been reported several times. The report is considered correct.

25X1A

b. To explain schematic location sketch, an aerial photograph, taken before the war of the environs of Dviri is attached as Annex 3.

according to all reports, the new power plant is located on the eastern side of the mountain mass seen near the right edge of the picture.

- 3 Annexes: 1. Dviri Hydro-power Plant
  - 2. a. Concrete bridge over the canal b. Steel-constructed bridge
  - 3. Aerial photograph

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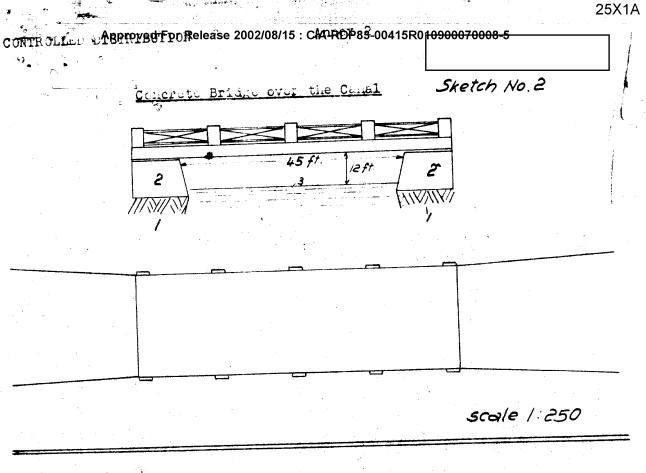
# Legand to Annex 2

- E. Concrete bridge over Canal
- 1 Rocky subsoil
- 2 Abutments, span 13.5 meters
- 3 Water surface, passage clearance 3.6 meters
- b. Steel-Structure Eridge

(Length of bridge: 45 meters)

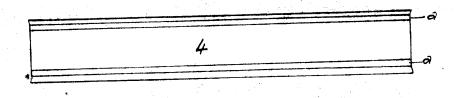
- l Abutments on banks
- 2 Pillar in river bed; span from western abutments to pillar: 34.5 meters
- 3 Supporting steel-structure
- 4 Top view, with partitioned-off footways (a)

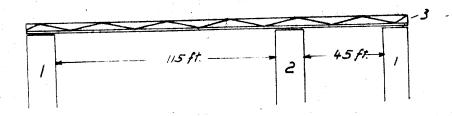
- Town of Dviri
- Turmel exit
- Water basin, 300x240 feet Small water basin connected with the turbinehouse by three chute pipes Turbinehouse under construction



# Steel-Constructed Bridge

Sketch No. 3





Legend: See report

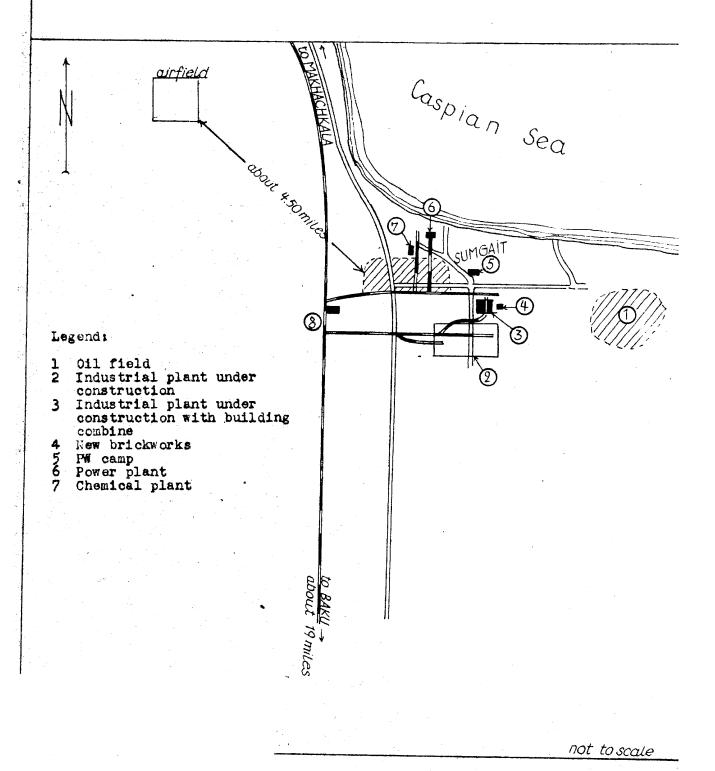
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Oil Field Near Sumgait, Baku Oblast.

l arnex:

# Oil Field near Sumgait. Baku Oblast



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	a. Location:					
	Near Kishly (Kish	Lya, about 30 km n	ortheast of	baku - 40°25 n/49°	750(事)。	
	b. Installations			, , ,		
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, 2.,	Bibi-Bibat Oil fie	:ld.				
	a. Location:					
	About 8 km south o	f 8aku				
	b. Installations:					
	(1) New opening activi on the peninsula i	ties were also obs s densely covered	served in th with drilli	nis field. The old ing and producing de	field erricks.	
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1. Location of small oil field:

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Between Lilo and Norio, about 15 km northeast of Tiflis (41042'N/44045'E), Tiflis Oblast.

2. Activities and installations:

The field was obviously still being opened although drillings had been made since 1945/1946.

- a. Experimental drillings were allegedly made 10 years ago. Five derricks were seen in 1946 and 18 early in 1949. The norizons being drilled are at a depth of about 2,000 m. Some drilling operations brought in gushers. Four or five gushers were last observed. Some of the drilled wells are rescaled apparently because there are still too few snipping and storage facilities.
- b. Several tanks measuring 5x3x3 meters are in the ficinity of the field. Pipe lines were laid between the field, the tank depot and the adjoining refinery.
- c. The excavation work and pipe line construction were not completed in the last days of the observation period.

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3. Location of the refinery:

A New kilometers from the oil field. It covers about  $400 \times 500$  m with spur tracks to liftis and baku  $(40^{\circ}25^{\circ}N/45^{\circ}00^{\circ}L)$ . The construction of the refinery started in 1546.

#### L. Production:

a. The daily capacity is estimated at 200 to 250 tons. The refinery has no special installations terrocking installation, assume refining, lubricating oil refining, but is operated on the system of fractionized distillation. In addition to slight amounts of crude oil supplied by the neighboring small oil field the refinery presumably mainly processes is less oils.

b. The drily incoming snipments amounted to five or six tank cars of shout 50 tons each. The daily outgoing snipments were composed of four our sive tank cars with finished products.

o. The main products are gaspline, Petroleum and slight amounts of Bhosel oil. Residue products are heavy oil and maset. No lubricating oil is produced.

#### 5. Work Conce:

In the refinery there are 100 to 150 employed working in three shifts.

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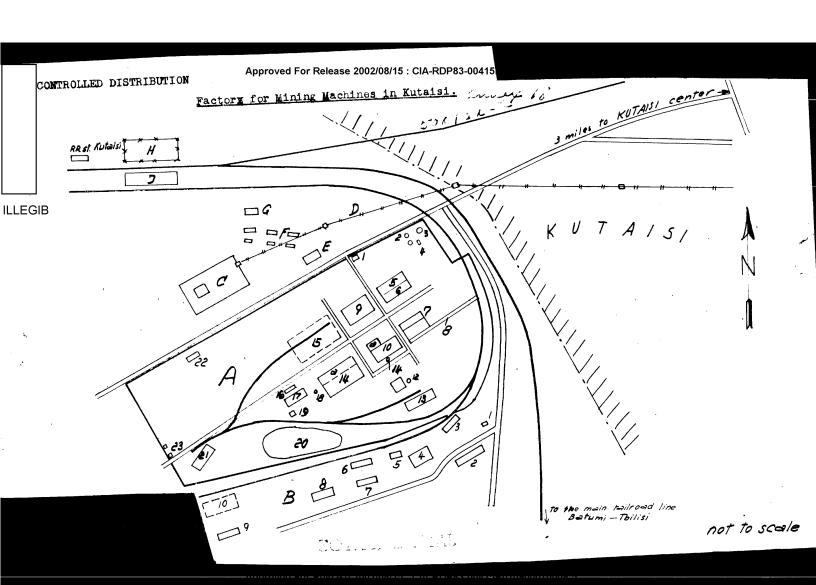
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Cor	rnyak Plant
1	rain Cate and Swardhouse
2	Two concrete water basins, 5.4 meters in diameter. 2.7 meters above ground, depth
3	Tater tower, iron structure, 28.5 meters high, with water container on top, 4.5 meters high and 4.5 meters in diameter, constructed in 1948/1949, not in operation
4	Pump station for the water container
5	Repair shor for plant requirements
6	Tool shop (No 5 and 6 together, 13.5x18x45 meters, concrete structure with wooden roof)
7	Assembly shop for electric locomotives and conveyor belts, 13.5x18x45 meters, steel structure with concrete lining
8	Large outdoor traveling crane
9	rechanical department, constructed in 1947, in operation since march 1948, 13.5x18x45 meters, steel structure with concrete and wood structure roof, processing of single parts.
10	Forge: 13.5x18x45 meters, with six oil-fueled anneal-ing furnaces.
	a. unex with hardening shop, equipped with five oil-fueled furnaces
11	Underground oil tank, size 25%
12	Boiler house, constructed in 1945/1946, 7.5x9x13.5 med ters, with sheet-metal smokestack, 27 meters high.
13	Warehouse with loading ramp, 5.4x10.5/Neters, slagstone structure, under construction
14	Foundry, constructed in 1946/1947, in operation since 1948
	a. Old part with two small smelting furnaces b. New part with two large smelting furnaces, model making carpenter shop, core making shop and molding shop, 16.5x36x63 meters, concrete structure with steel frame

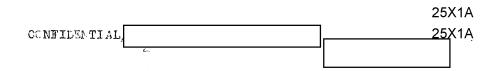
15

New workshop under construction, excavations 36x63 meters, intended purpose not known

- 16 Jawmill
- 17 Blagstone building, 6x9x22.5 meters, purpose unknown
- 18 Undergound oil tonk, size unknown, supplies oil to the foundry
- 19 Gerap crushing plant
- 10 Outdoor assembly of structural parts for workshops and roofs
- 21 exygen plant
- 22 Garage and fire depertment
- FC Gate and guardhouse
- B installations of the Shakhto-Stroy Construction Firm
  - I main gate and guardhouse
  - 2 Chinistration
  - 3 Satmill
  - 4. 3legstone plant
  - 5 consrete plant
  - 6 carpenter shop
  - 7 Garage and repair shop
  - 8 Fitting department for small structural roof parts and construction repair department
  - g concrete structure, 6x18x45 meters, constructed in 1948/1949, in operation since the gummer of 1949, thorough overhauling of automobiles.
  - Lo Asphalt plant
- C Crausformer plant, further details are not available
- D Power transdission line
- g pire deportment
- r cantonment buildings, dwellings of plant employees
- G IND (dministration of the PT camp
- H Py Camp no 7518/3
- r winder yard



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	Location: The water works are about 5 (140.5°E/42003'N), Georgian SSR, on the Aragva River.  Plant installations:  tion of the water works started in 1939 continued after the war. The project, t is scheduled to be completed by 1952. consists of drilled and fortified source 100 meter area. From 198 sources the tale collecting points (bunkers). From the water is pumped through larger and through three main pages (80 contimeter water mixing chamber. From here the water in the concreted canal (cross section the first tunnel. The tunnel is about into the rock and ends in an open canal starts some 30 meters from here and end in a gorge. Three pipelines lead the water and one to Rustavi. For layout	the consand the work we of inchide the can. The water system as and covers a water is pamped one bunker to the larger pipes and is in diameter) ter is directed 1.50 x 1.20 mater 500 meters long.  The second the sabout three kmater from here to pipeline goes	the  truc- 25X1X s al, l,500x to e next, finelly o the through rs) to blasted nnel away
. 3.	Tork force: Several hundred civilian former 85 members	laborers and 150	
4.	Furpose: The supply of electric power old bottlenecks during the industrializ Tiflis. In the summer Tiflis is supplonly a few hours a day.	ation of Rustavi	and
25X1A	Comment:		
	The new waterworks near Bulachauri are first time. If the statements are corr are of essential importance for the induare.	ect, the install	ations



1 Annex: Water Works in Bulachauri,

#### Legend to Annex:

- l Water bunkers with pipeline system. The bunkers are concrete structures, 2.5 x 2 x 1.5 meters, partially underground and provided with electric pumps. The water is much better than that of the mountain rivers because the ground has a layer of pebbles and sand several meters thick.
- 2 Three main-pipelines, 80 cm in diameter
- 3 Mixing chamber, concrete structure, 10 x 10 x 10 meters, four meters underground, with slightly elevating ground at the sides of the building
- A Power station, two-story brick building with flat roof. Equipped with a Diesel engine and a generator, 400 Kws bagacity, 15 x 12 meters
- 5 Repair shop, brick building, 20 x 12 x 10 meters with shed roof
- 6 Open concreted canal, cross section 1.5 x 1.2 maters
- 7 First tunnel, 500 meters long
- 8 Open canal
- 9 First part of the second tunnel, about three kms long
- 10 House with unknown purpose
- Il Construction site
- 12 Kolkhose farm.

a. The above information is the first to contain details on the lock

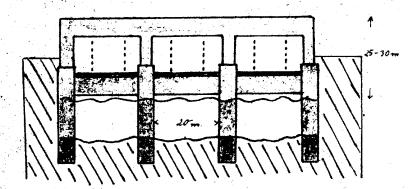
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	and, supplementing numerous previous reports, * contributes to complete the picture of the plant,	i
25X1 <i>F</i>	b. The capacity is reported for the first time. The enormous extent of this project, e.g. the efforts made to construct the canal several kill meters through a mountain. justify the doubts	V

1 Anne: Hydro Power Plant near Dviri.

# Hydro Power Plant near Dviri



been equipped; the large production workshops were still empty. For plant layout see Annay 2.

7. A large dump with dismantled German mechines and electric installations was in front of the power plant. The machines were packed in boxes and without any cover.

#### 25X1A

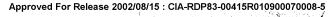
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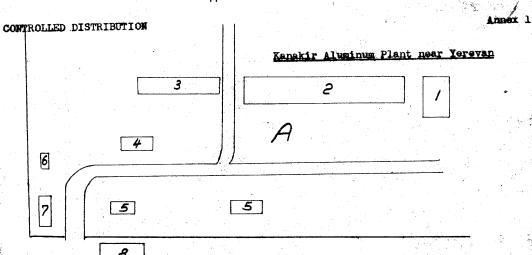
- a. Although the observations date back a long time they are transmitted as they furnish the first postwar details on new constructions on the premises of the old Hanakir Aluminum Flant.
- b. The attached sketches agree only in the long-stretched eastwest building in the center of the plant and the alleged power plant to the east. The given dimensions are considerably at variance.

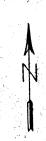
  Additional information is required to clarify the actual plant layout, the original buildings and the types of structures.
  - 2 annexes: Llueprints, Kanakir Aluminum Flant near Yerevan.

## Legend of Annex 2:

- a Aluminum lant
  - 1 Workshop, 150x46 meters, allegedly rolling mill
    not equipped
  - 2 Workshop, called foundry, presumably for electrolysis
  - 3 Luilding with fitting, latho and plumber's shops
  - 4 Two large boring machines in the open
  - 5 storage of iron girders
  - 6 Three small makeshift buildings for construction staff
  - 7 Lorkshop, called power plant, not equipped, 60x30 meters "rather high". Lany electric lines led into this building and many switchboards were being installed
  - 6 Storage of dismantled machines
  - 9 Assembly of steel structures
- L 74 Carm 7118/1



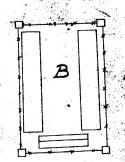


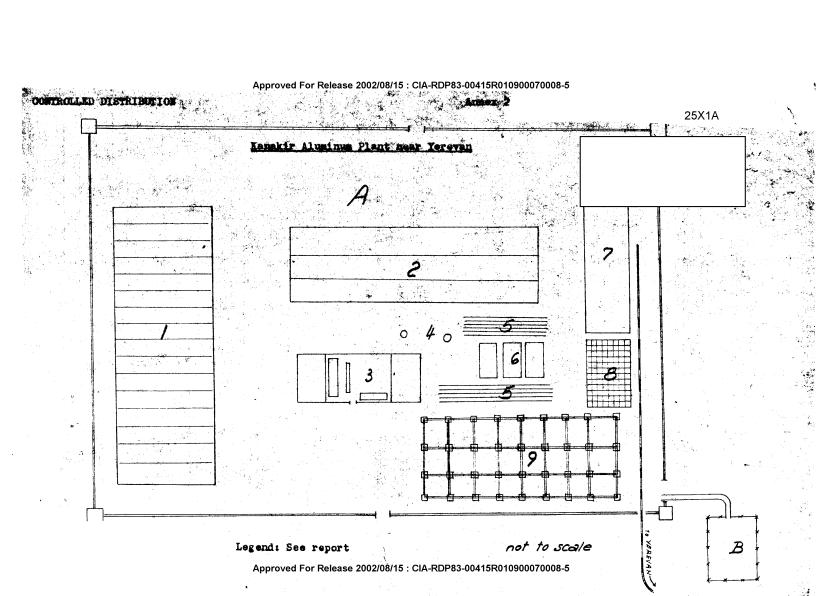


#### Legend:

- Aluminum Plant
- uminum Plant
  Four-storied inron-concrete building, 80x60 meters, still empty
  Assembly shop, several hundred meters long, still under construction
  except for the foundation walls. Foundations for electric furnaces
  were built north of the shop.
  Empty workshop, 150x20 meters. Steel structure with glass roof
  and brick walls. Built by PWs.
  Fitting shop, brick building, 30x15 meters.
  Two storage sheds, stone structures, 30x15 meters
  Garage

  - Garage
- 7 Carpentry, brick building, 30x15 meters
  8 Two-storied dwelling house for officers and guard detail
  F) railroad connection
  FE Camp 7115/1





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	Power Plant rear Sulbum!	
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	CONTENT	25X1A
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25X1>		t 1 oktor op, sommer op, e naphillibeliken flore verkaal have verkaal beken flore verkaal beken te verkaal beken
1.	Location :	
	On the border of a village with about eight houses, 15 km of Sukhumi (41°02°E/43°00°N), Georgian SSR.	northeast
2.	Plant installations:	
25X1X		
-	the construction of the power plant started in 1945 under vision of Swedish and German PW engineers. All machines of Swedish firm Aska. Operation started on 1 October 1949. Twith an incline of 300 meters, from a mountain lake and with through a pipe line.	ame from the
3.	Work force:	
	About 200 PUs working on the construction of the power pl	ant.
4.	Capscity:	
	The number of turbines was not reported. Each turbine had of $\mathbb{S}_9000$ kws.	a capacity
25X1A	Comment:	
[	Although it contains only poor details on location and confide the plant the information is forwarded as it was supplemental to the plant of the plant the information is forwarded as it was supplemental to the plant of the pla	nstruction iel

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of 1946. X1A		

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	of the reservo	plements previou ir in Mingechaur	· (47°03°E/4091	.5'N), Azert	oaijan 55R:	
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C	oment.	•	
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- a. New details on the construction project near illn echaur are given in this report. It wis assumed from all reports that construction is just beginning.
- b. The attached sketch is of value as it confirms previous information. \*
- c. No information has been received on the extent of the projected industrial installations to be supplied with power by the new plant. It is possible that the laborers for large future plants are already settled in that area.
- 1 Amex: sketch.

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## Legend to sketch

- 1 Location of projected dom
- 2 Datour canal I
- 3 Detour canal II
- 4 I rojected power prant
- 5 Soviet labor camp
- 6 Pr cemetery
- 7 Soviet officers camp
- 8 P. camp to 7444/1
- 9 P" camp No 7444/3
- 10 Concrete plant, improvised wooden building. American machinery for a second projected concrete plant, to be constructed in early 1950, has arrived.
- 11 Power plant with two American turbines, total capacity 5,000 kw
- 12 Detallurgical factory with one workshop, 40 x 50 meters and four one five smaller workshops. Production or iron fittings for forro-concrete structures:
- 13 Oxygen plant, in operation since late 1946
- 14 Automobile park and workshops.

